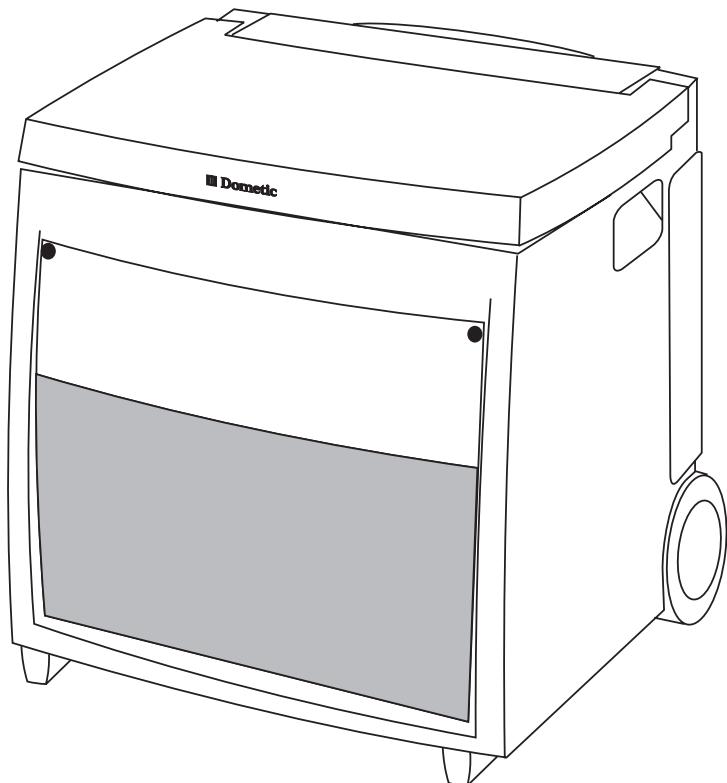




# SuperCooler

## RC 4000



CE  
0402

Operating Instructions

GB



Please read these operating instructions carefully before using the product. If you later sell or dispose of it, please ensure that the new owner receives these operating instructions.

Thank you for choosing our appliance. We are sure it will provide you with trouble-free service.

In the following, we would like to familiarise you with some symbols, which we bring to your attention to ensure the safe and efficient operation of the appliance:

source of danger, in event of improper operation

suggested useful tips to read

information concerning environmental protection

The cooling box you have purchased is designed for operation from electrical mains, from a vehicle battery or from bottled (LP) gas.



#### Attention!

Your portable refrigerator - **in gas operation** - must only be used in a well-ventilated place, where it is protected from rain or water splashes. **In electrical operation**, the appliance can be used in an enclosed room with proper ventilation for the aggregate. However the appliance must still be protected from moisture.

In this appliance the storage of any toxic or explosive substance is forbidden!



#### Attention!

Only operate this appliance on one energy source at a time.

The refrigerator may only be operated with fitted wheels!



#### Attention!

It is important in the interests of efficiency, to give the back of the unit as much ventilation as possible to allow the heat to escape. The hottest spot is in the vicinity of the burner, and **particularly when operating on gas**, it is essential that this place be kept clear of any obstruction or flammable materials (e.g. grass or plastic ground sheets that can burn).

**In electrical operation**, the appliance can be used in an enclosed area. However the appliance must still be protected from moisture.

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## 1. Unpacking

After removal from the cardboard packaging, make sure the appliance is not damaged. If you find damage to the appliance resulting from transport, report it immediately to the transportation firm.

## 2. View of the appliance

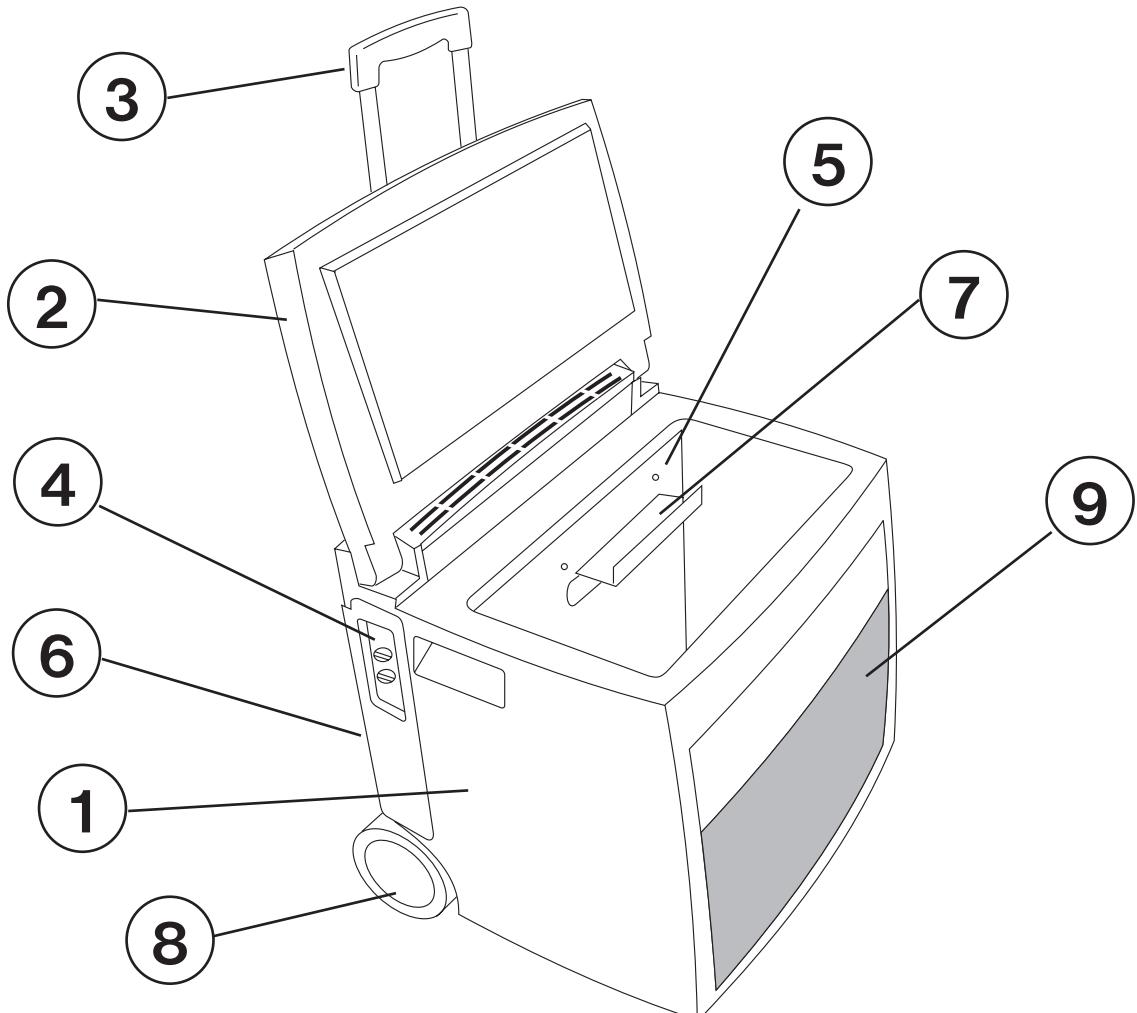


Figure 1.

1. Insulated casing	6. Rear cover
2. Insulated lid	7. Ice-tray shelf
3. Pull handle	8. Wheels
4. Control panel	9. Storage net
5. Evaporator panel	

### 3. Cleaning

**i** Clean both the inside and outside of the appliance before putting it into use.

- To do so, use a soft towel, lukewarm water and a non-abrasive detergent. Ensure water does not enter the rear cover grille or the control elements.
- Afterwards, wipe the appliance with a clean towel and clean water, and then wipe it dry.
- To avoid damage, do not use soap, soda or abrasive cleaners.

### 4. Positioning the appliance

**i** During the refrigeration process, the appliance radiates off heat from the condenser (under the upper part of the rear cover) into the surrounding air. The more ventilated the condenser is, the more effective the refrigeration will be.

- Another condition for satisfactory operation is that the appliance stands level. This is best checked by placing a glass of water on top of the appliance.
- It is important that the appliance is not directly exposed to radiated heat (sunlight, radiator, near an oven, etc.).
- In gas operation following clearances should be kept from the walls or other materials: from the back side of the appliance minimum 10cms, from both sidewalls 4cms each, from the top of the appliance minimum 30 cms, from the bottom minimum 5cms.
- In the immediate vicinity of the appliance within the specified distances no inflammable matters (paper, wood, grass, textile etc.) must be stored.

### 5. Using the appliance

The cable for mains connection, the 12V connecting cable and the gas inlet are located on the rear cover of the cooling box, (Figure 2).

#### 5.1. Operating from electrical mains

Make sure the voltage shown on the data plate of the appliance matches the voltage to which you wish to connect the appliance. Pull out the mains connecting cable and connect it to an earthed wall socket.

When connecting the appliance for the first time, set the thermostat to maximum (fig 4.B); then, after about five hours, set it back to a medium position. This is suitable for general refrigeration requirements.

*NB: Plug is provided according to specific regulations in each country and may be different to that shown.*



Figure 2.

## 5.2. Operating from vehicle battery

Make sure the voltage shown on the data plate of the appliance matches the voltage of the vehicle battery (12V or 24V).

12V DC voltage appliances are equipped with connectors that can be plugged into cigarette lighters (Figure 3.). For some types of vehicles, you may need to remove the red plastic ring located on the end of the connector. To do so, turn the plastic ring anti-clockwise and pull it off. The appliance can then be connected to the cigarette lighter. In 12V operation, the appliance runs uninterrupted without temperature control.

24V DC voltage appliances are shipped with bare wire ends. The wire ends must be connected to a terminal block, which is connected to the vehicle battery via a 5A fuse and 5A switch.

**i** Whenever the engine is not running, the appliance connector must be removed from the cigarette lighter (12V appliance) or the switch turned off (24V appliance). Otherwise, the appliance will discharge the vehicle battery rapidly.

## 5.3. Operating from bottled gas

Connection to the gas cylinder is described in sections 11.3. and 11.4.

After opening the gas cylinder valve, push the safety valve button down (Figure 4.A) and set it to the Large flame symbol, holding it down after 10 seconds. Press the piezo-igniting button (Fig 4.C) several times one after the other. If the flame does not ignite, repeat the process. (Air in the appliance gas line prior to connection to the gas cylinder must be evacuated. Only then can the gas be lit.)

After you have got the flame keep the safety valve button down another 20 seconds.

If the burner is working the flame indicator pointer will be in the green field (Fig 4.D).

## 6. Mounting the wheels (Fig. 5)

The wheel set, found inside the appliance.



Figure 3.

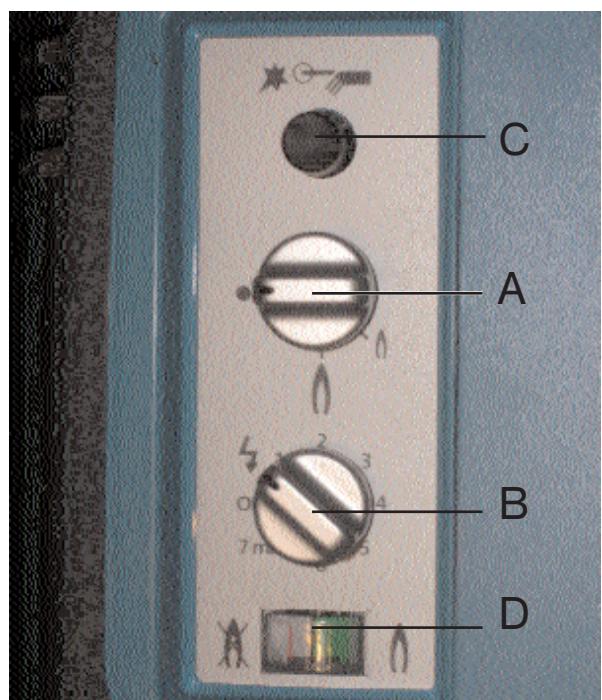


Figure 4.

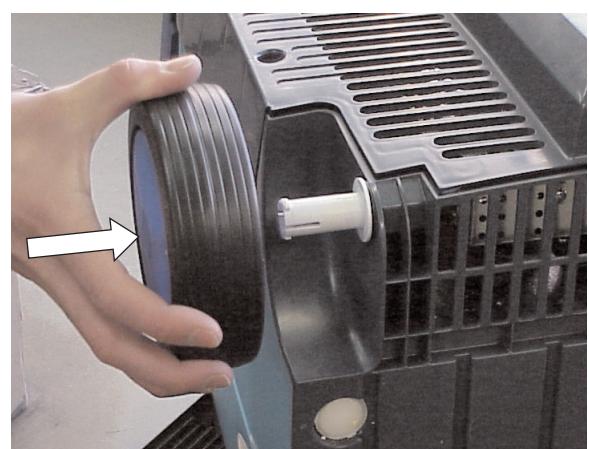


Figure 5.

## 7. Making ice

The ice-tray holder and ice-tray accessories delivered with the appliance allow ice cubes to be made. To do so, first insert the ice-tray holder panel into the groove of the plastic holder. Make sure the perforated part of the panel enters the groove (Figure 6).

Next, fill the ice tray with water (up to about 4 mm below the edge) and put on the cover.



Figure 6.

Place the ice tray on the ice-tray holder, so that its outer edge is below the edge of the plastic cover (Figure 7). This prevents the ice tray from falling from the holder when the vehicle is in motion.

The plastic cover of the ice-tray is not completely watertight when fastened. For this reason, a few drops of water may come from the ice-tray. This is normal and does not cause any problem.

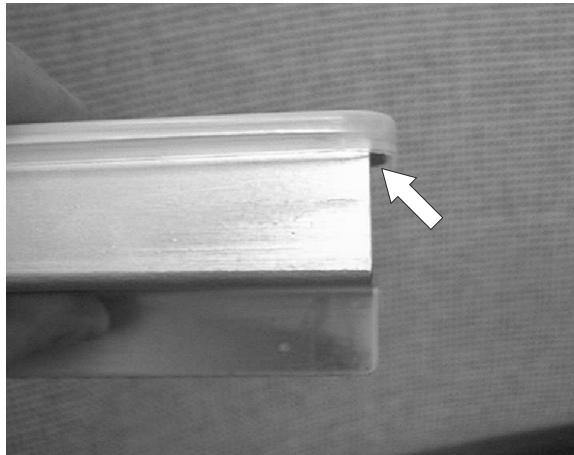


Figure 7.

## **i** 8. Useful suggestions

- When planning a trip, run the appliance on 230 V for 24 hours prior to departure. Place only pre-cooled food in the appliance.
- Install or remove the ice tray holder before starting the unit as frost later will make it more difficult.
- Frost forms on the evaporator panel when in operation. When opening the cover or putting in food, some of this frost melts and collects in the form of water on the bottom of the appliance. Wipe the water off occasionally using a sponge.
- Avoid putting food with fragile packaging (such as glass) into the unit, if you wish to pull it on its wheels. Movements and shaking may cause such items to break.
- Walking downhill, make sure the refrigeration unit does not roll onto your legs. In steep downhill slopes, proceed behind the unit with the wheels in front.
- Once the unit is in its permanent position, make sure that food does not come in contact with the evaporator panel, as this can cause damage to the foods.

## **⚠ 9. Defrosting, cleaning and maintenance**

For defrosting, always unplug the appliance from an electrical power source to avoid the risk of shock. Make sure no other power source is connected (gas or 12V / 24V). Remove food from the unit and leave the lid open. Depending on the temperature, frost melts in a short time from the evaporator panel, with water collecting at the bottom of the appliance. Wipe it off using a towel. Afterwards, clean the appliance by following the instructions in section 3. Leave the lid ajar to prevent any odours from forming. The appliance does not require any further maintenance.

Removal of the storage net the cleaning:

- To 5 pcs plastic rivets should be pulled out by pressing the central shift by approx. 5mm (by means of a pen) (figure 8), then the plastic rivets should be removed.
- Before fixing the net the pressed shifts of the plastic rivets should be fully pressed back. (till click) (figure 9).
- The protruding ends of the placed back plastic rivets should be hit in.

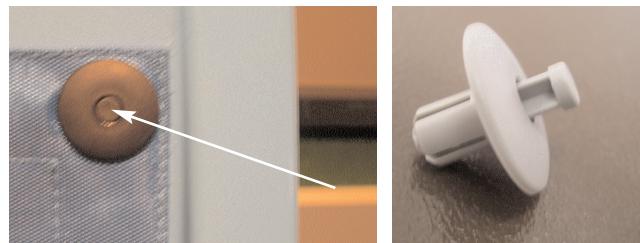


Figure 8.

Figure 9.

## 10. Warranty and customer service

Warranty arrangements are in accordance with EC Directive 44/1999/CE and the normal conditions applicable in the country concerned.

For warranty or other servicing, such as spare-parts, please contact our Dometic Service Network.

The warranty does not cover any damage due to improper use.

The warranty does not cover any modifications to the appliance or the use of non-original Dometic spare-parts.

The warranty does not apply if the installing and operating instructions are not adhered to.

When contacting Dometic Service Network, please state the model, product number and serial number. You will find this information on the data plate on the rear cover of the refrigerator.

Before notifying customer service, please check the following:

- Is location and ventilation satisfactory?
- Does the appliance stand level?
- Is there power in the wall socket and is the connection suitable for the appliance?
- Is the mains power cable damaged?
- For mains operation, is the electric thermostat switched on?
- For gas operation, was the safety valve knob pressed down long enough?
- Is the safety valve knob set towards the large flame symbol?
- Is the gas cylinder or the pressure regulator valve open?
- Is there any gas in the cylinder? (If by shaking, no liquid movement can be detected, then the cylinder is empty.)
- Are by any chance two different power sources connected (such as gas or electricity at the same time)?
- Was warm food placed in the unit?
- Was a large quantity of food put in at one time?

If the appliance does not operate properly after checking the above, contact customer service. When reporting the problem, state the type of problem, the type and model of appliance, and the product number and serial number from the data plate.

We assume the warranty in accordance with our warranty conditions for the appliance.

## 11. Putting into operation

**!** You must, in all instances, operate the appliance from a *single energy source only*. Connecting several energy sources at the same time will cause failure of the appliance.

### Technical data:

Model	RC 4000
Type	JCB 6
Gross volume	33 litre
Mains operation	220 - 240V (AC)
Input	80W
Energy consumption	1.4 kWh/24h
Battery operation	12V (DC)
Input	80W
Energy consumption	160Ah/24h
Gas pressure (p)	28-30/37 mbar
Gas classification	I3+
Jet size	21
Climate class	N
Refrigerant	210g NH <sub>3</sub> + H <sub>2</sub> O

### 11.1 Connecting to electrical mains

Make sure no other energy source is connected (gas, 12V).

**!** The appliance may *only* be operated with the voltage stated on the data plate. The appliance mains plug must be connected to a socket earthed in accordance with local regulations only.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

**The manufacturer declines any liability should these safety measures not be observed.**

## Electrical Requirements

Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance data plate.

### Only for UK:

The appliance is supplied with a 3 amp plug fitted. In the event of having to change the fuse in the plug supplied, a 3 amp ASTA approved (BS 1362) fuse must be used. Should the plug need to be replaced for any reason, the wires in the mains lead are coloured in accordance with the following code:

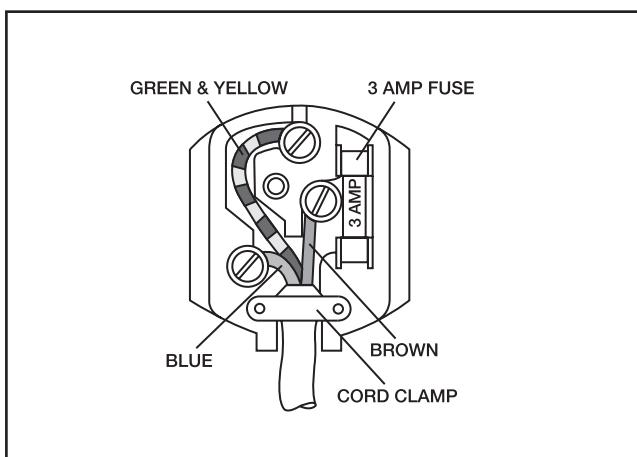
Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

The wire coloured green and yellow must be connected to the terminal marked with the letter „E“ or by the earth symbol  or coloured green and yellow.

The wire coloured blue must be connected to the terminal „N“ or coloured black.

The wire coloured brown must be connected to the terminal marked „L“ or coloured red.

Upon completion there must be no cut, or stray strands of wire present and the cord clamp must be secure over the outer sheath.



## 11.2 Connecting to vehicle power source

Make sure no other energy source is connected (gas, 230V).

12V appliances must be connected to a vehicle cigarette lighter, which is protected with a 10A fuse.

24V appliances must be connected by inserting a terminal block and switch and protected with a 5A fuse. The switch must be suitable for switching a 5A current.

## 11.3 Connecting to gas cylinder

Make sure no other energy source is connected (230V, 12V).

*The unit must not be connected to town or natural gas pipelines.* It is only suitable for use with propane/butane gas (e.g. Calor Gas, Camping Gaz, Caravangas, etc.).

The RC 4000 is equipped for a specific gas-pressure, corresponding to the standard pressure of the country in which it is sold. The data plate states the pressure that is correct. It is important that a non-adjustable pressure-regulator must be used to reduce the pressure in the gas cylinder to the operating pressure specified on the data plate. No other pressure may be used.

*Needle valve-operated gas valves are NOT suitable for use with this appliance and must not be used as a substitute for a pressure regulator.*

## 11.4 Connection of gas supply

(The following instructions refer in the main to coolers manufactured in the United Kingdom. For other countries please refer to your supplier.)

Always connect in the following sequence:

GAS BOTTLE → PRESSURE-REGULATOR → → APPLIANCE.

To connect the appliance to the pressure-regulator APPROVED GAS TUBING should be used. This should be of a minimum in length and have an inner diameter of 8mm and be marked BS3212/2/8.

The pressure-regulator must be compatible for Butane 11 in (28 mbar) or for Propane 14 in (37 mbar).

To connect the pressure-regulator to the gas bottle, the valve of the gas bottle must be closed. After connecting the pressure regulator to the bottle by screwing, connect the two ends of the tubing to the nipples and secure them with the two hose clipse. (Figure 10).

When fitting the connection to the gas inlet of the appliance (Figure 10), hold the counterpart to avoid straining and possibly damaging.

The gas bottle (Butane, blue bottle) may only be used in an upright position and particular care must be taken every time the appliance is connected to the gas bottle to ensure that there are no leaks, that the tubing (rubber hose) is not under tension or kinked, and that it is not in contact with hot surfaces.

The tubing and the gas bottle should always be located in positions where they will not be tripped over or otherwise inadvertently disturbed.

Before attempting to light the burner, every time after connection, turn on the gas at the bottle and check the gas connections for leaks by applying a soap and water solution over them and watching for bubbles, which would indicate a leak.

After testing dry off traces of detergent.

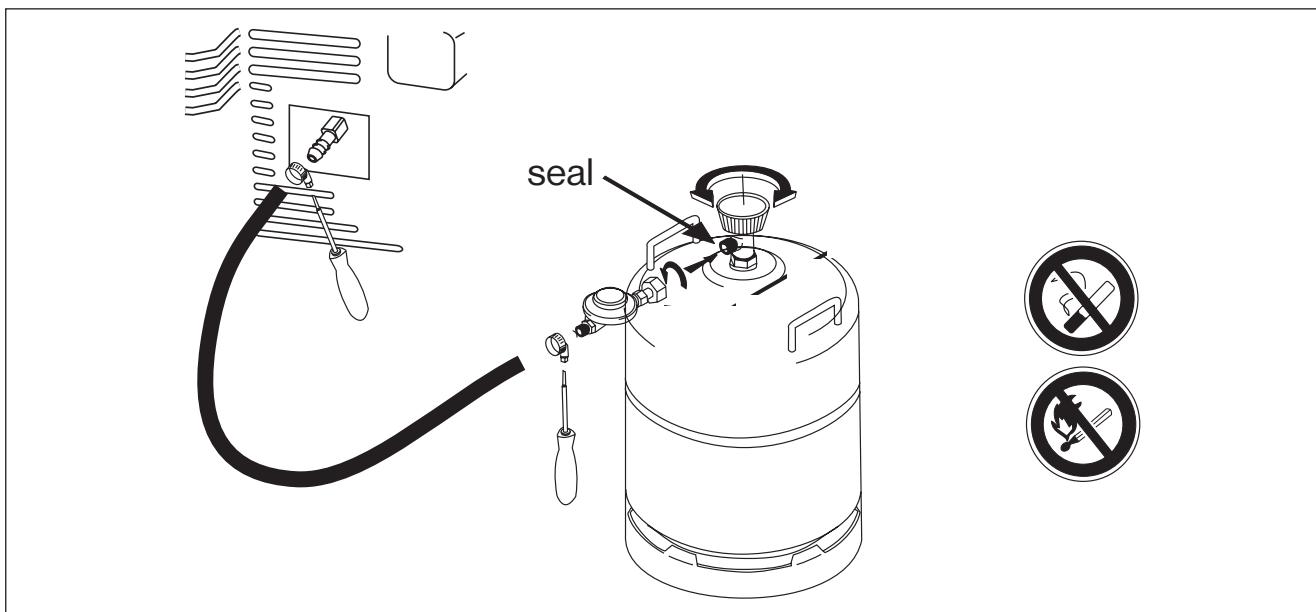


Figure 10.



#### For your safety:

Do not check for leaks with a naked flame!      Do not smoke while checking for leaks!

## 12. Environmental protection information

The appliance does not contain any CFCs/HCFCs.

Ammonia (natural hydrogen and nitrogen compound) is used as refrigerant agent in the cooling unit.

The ozone-friendly cyclopentane is used as a blowing agent for the PU foam insulation.

Sodium chromate is used for corrosion protection (less than 2 weight % of the coolant).

## 13. Recycling

After unpacking the appliance, the packing materials should be delivered to a local collection site. At the end of its useful lifetime, the appliance should be delivered to a specialised recycling firm, which reclaims the usable materials. The rest is properly destroyed.

This appliance complies with the following EEC directives:

LVD-Directive 73/23/EEC with amendment 90/683/EEC

EMC-Directive 89/336/EEC

Gas-Directive 90/396/EEC.



